LR4A

User Guide

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Thank You for your Lightrein Purchase

Thank you for choosing Lightrein. We hope you will be very pleased with your new Lightrein purchase.

We have chosen to carry this analog flash because its professional features will help you craft great images. Lightrein flashes are just one component of our comprehensive studio offering. We also carry a large variety of softboxes, Lighttools® world-famous Soft Egg Crates® and other light modifying accessories that will allow you to set your image apart from the rest.

Lightrein prides itself on providing Canadian photographers prompt accurate advice, extensive warranty support and timely service.

All of our flashes are CSA approved and come with a 3 year Canadian Warranty, and our documentation is designed to get you up and running as quickly as possible.

So, get ready to have some fun and create some exceptional images!

The Lightrein Team

Safety Notes

This product has a high electric voltage. To avoid an electric shock, always use a properly grounded receptacle and cord. Do not use this product in excessive moisture, or with wet hands - Indoor Use Only.

During normal operation, the bulbs become quite hot, and care should be exercised when handling the unit, or changing the attachments.

Always operate the unit with the protective pyrex cover in place. When transporting or storing the unit, remove any accessories such as barn doors or reflectors and cover the bulb with the black plastic protective cover.

When replacing the soft boxes, or using accessories such as snoots, barn doors and reflectors, always make sure the power switch is in the OFF position.

Lightrein will not be held responsible for electric shock, or equipment damages, due to modification or repair by other unauthorized dealers. Please contact our Service Repair Center for repairs. For any other inquires, contact Lightrein, Inc. info@lightrein.ca

Flash Controls

The list below briefly identifies the function of the controls on the back panel of the LR4A. Refer to your LR4A or this picture while reviewing the functionality of each controller.

Input / Fuse	Power Cord Connection with fuse holder (250V/10A)
Sync	Sync socket for sync cord or 3rd party flash trigger
Power	ON/OFF Switch
Receiver Holder	Located at the top of the back panel • Remove protective cover • Insert receiver of Lightrein dedicated LR Flash Trigger System (sold separately)
Prop	Depress to turn proportional lighting ON (green light) • A proportional setting will balance the percentage of model light intensity to the percentage of flash intensity • This will override setting on Model Light analog dial
Cell	Depress to turn Photo Cell On (green light)
Sound	Depress to activate audible "Flash Ready" sound (green light)
Test	Depress button to Test Fire Flash • Illuminated Blue Light Indicates that Flash is Ready to fire
Model	Adjust analog dial to set Model Light Intensity
Flash	Adjust analog dial to set Flash Light Intensity

Before Operating

1. Install modeling light (see page 5).
2. Ensure all switches and regulators are powered OFF, or in the minimum position.
3. Connect the Power cord to the Power socket.
4. Connect the Sync cord to the Sync socket (unless you are using a flash trigger or the photocell).

Basic Operation

1. **Set** ON/OFF Switch to the ON position to power up the strobe. The TEST light will illuminate to indicate that the flash is ready to fire.

2. **Push** the control buttons to **activate/deactivate** the functions listed below:

Function	Description
Test	• **Depress** Test button to test fire the Flash, as needed
Sound	• **Depress** Sound button to activate the audible alert – this will let you know when the Flash has recycled and is ready to fire again • "Flash Ready" is also indicated by the TEST "blue light" indicator coming back on
Cell	• **Depress** Cell button to activate photo cell • The Photo Cell is located on the top rear of the strobe • It is either ON or OFF • When turned ON, this strobe can be fired by the flash of another strobe
Prop	• **Depress** Prop button to activate proportional lighting • This will balance the percentage of model light intensity to the percentage of flash intensity • Once activated, the rotary dial for the model light will remain in its last position and adjusting it will have no affect while Prop is set to ON

3. **Adjust** the intensity of the Model Light to your desired power level using the analog dial

    - From Full power to Off

4. **Adjust** the intensity of the Flash to your desired power level using the analog dial

    - From Full power to 1/24 power (400 WS to 18 WS)

5. Before shutting off power, adjust modeling light and flash to "Minimum" settings – this will enhance the life of your strobe.

Change Fuse

1. Locate the fuse compartment just below the power plug outlet.

2. Pry open the fuse compartment with a small screwdriver, as shown in the picture.

3. Replace burned fuse with a **250 volt, 10 amp** CSA approved fuse. Flash is supplied with a spare fuse in the fuse holder.
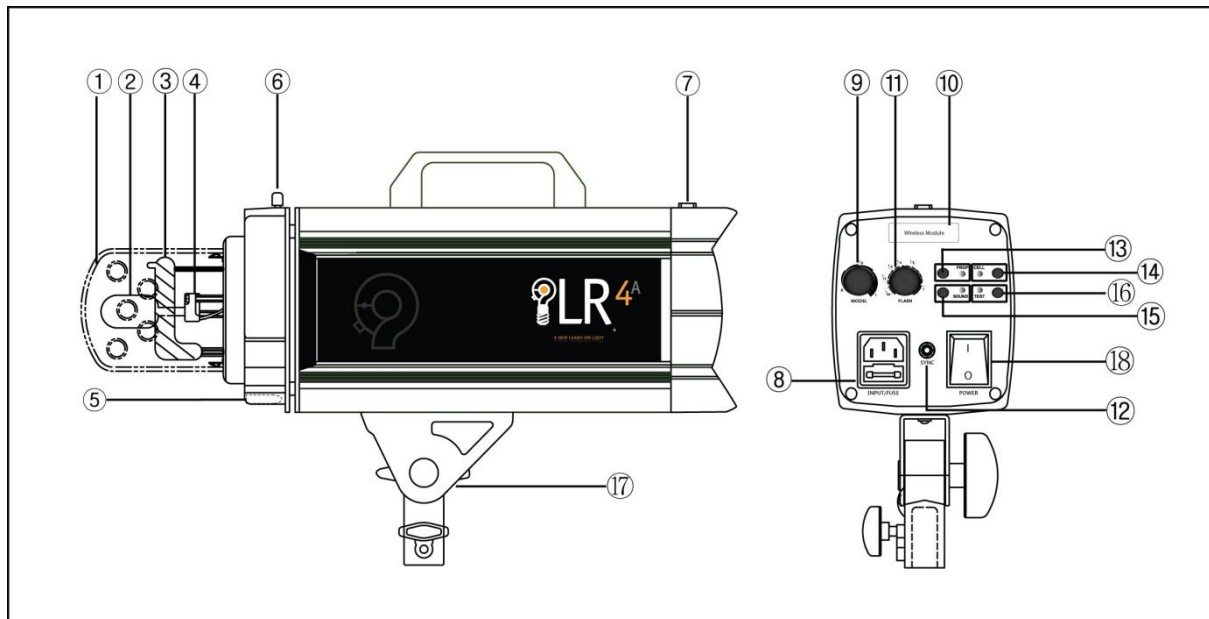

Install or Replace Modeling Light

1. Remove protective black plastic cover from flash housing.

2. Remove clear pyrex cover using a soft cloth or tissue paper to avoid leaving finger prints on cover.

3. Install modeling light as shown in picture – using a soft cloth or tissue paper once again.
    a. Gently push/wiggle modeling light fully into the two horizontal receptacles in the middle of the flash housing.

4. Replace pyrex cover.

Line Drawing

1- Protective Pyrex Cover

2- Modeling Lamp

3- Flash Tube

4- Modeling Lamp Socket

5- Umbrella Holder

6- Mount Release Button

7- Photo Cell

8- Power Inlet /Fuse Holder

9- Dial for Modeling Light

10- Receiver Holder

11- Dial for Flash

12- Sync Cord Socket

13- Proportional Modeling Light On/Off

14- Photo Cell On/Off

15- Audible Alert On/Off

16- Test Fire Flash

17- Mounting Bracket

18- Power On/Off

Tech Specs

LR4A (RS1) Specs	
Max Power	400 Ws
Min Power	18 Ws
F-stop Range	4.5
Color Temperature	5500 (+ or – 200)
Flash Duration	1/2300
Recycle Time	0.1 – 2.1 sec
Flash Monitoring	Audible & Visual
Circuit Protection	250V T10AL
Cooling Fan	Yes
Flash Release	Photocell – Sync – Test Button – Radio Slave
Photocell ON/OFF	Yes
Modeling Light	ON/OFF – Free – Proportional
Dimensions	37.5 x 12.1 x 21.6 cm 14.75 x 4.75 x 8.5 in
Weight	2.6 kg / 5.5 lbs